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(54) A motion transfer mechanism

(57) A transfer mechanism (10) for transferring rotary motion at one location to rotary motion at a second, distant location includes a first connecting element (18) having a first end (18.1), which is fixedly connectable to a rotatable member (12) to rotate therewith, in use, and having an opposed end (18.2); and a first linkage assembly (22), having a first end (22.1) which is connected to the opposed end of the first connecting element and an opposed end (22.2) which is constrained to be displaceable reciprocally along a predetermined axis (26). The mechanism also includes an elongate connecting assembly (30), a first end of which is connected to said opposed end of the first linkage assembly (22.2), so that its movement is also constrained along said predeter-

mined axis and at least one further linkage assembly (34), a first end of which is connected to the elongate connecting assembly (30) at a predetermined connection point, the point being spaced from the first linkage assembly and also lying on the predetermined axis (26). The mechanism yet further includes a second connecting element (36) having a first end connected to an opposed end of the further linkage assembly (34), the second connecting element having an opposed end (36.2) which is fixedly connectable, in use, to a second rotatable element (40) so that rotation of the first rotatable element is transferred via the connecting elements, the linkage assemblies and the connecting assembly to identical rotational movement of the second rotatable element.

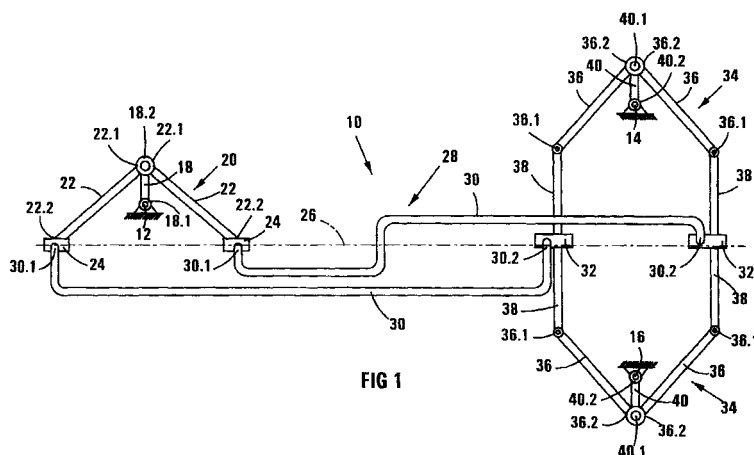


FIG 1

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EUROPEAN SEARCH REPORT

Application Number
EP 99 30 3572

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X A	US 4 186 614 A (HAMLIN FRED A) 5 February 1980 (1980-02-05) * figures 1,3 * -----	1,9,10, 12 2,11	F16H21/12
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			F16H G05G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 June 2001	Examiner Daehnhardt, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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